

NODE DISCOVER MSG
Source MAC Address (6 bytes)

Fig. 4

CCoELECT MSG
Source MAC Address (6 bytes)
Device Class (1 byte)
Number of Nodes Discovered (1 byte)
MAC Address of Discovered Node #1 (6 bytes)
Device Class of Discovered Node #1 (1 byte)
•
•
MAC Address of Discovered Node #N (6 bytes)
Device Class of Discovered Node #N (1 byte)

Fig. 5

CCoELECT MSG SHORT
Source MAC Address (6 bytes)
Device Class (1 byte)
Number of Nodes Discovered (1 byte)

Fig. 6

CCo CONFIRM MSG
Source MAC Address of CCo (6 bytes)
Device Class of New CCo (1 byte)
Number of Proxy Nodes (1 byte)
MAC Address of Proxy Node #1
Number of Hidden Nodes(N) (1 byte)
MAC Address of Hidden Node #1
•
•
MAC Address of Hidden Node #N
MAC Address of Proxy Node #2
Number of Hidden Nodes(N) (1 byte)
MAC Address of Hidden Node #1
•
•
MAC Address of Hidden Node #N
•
•
MAC Address of Proxy Node #N
•
•

Fig. 7

CCo CONFIRM MSG SHORT
Source MAC Address (6 bytes)
Device Class (1 byte)

Fig. 8

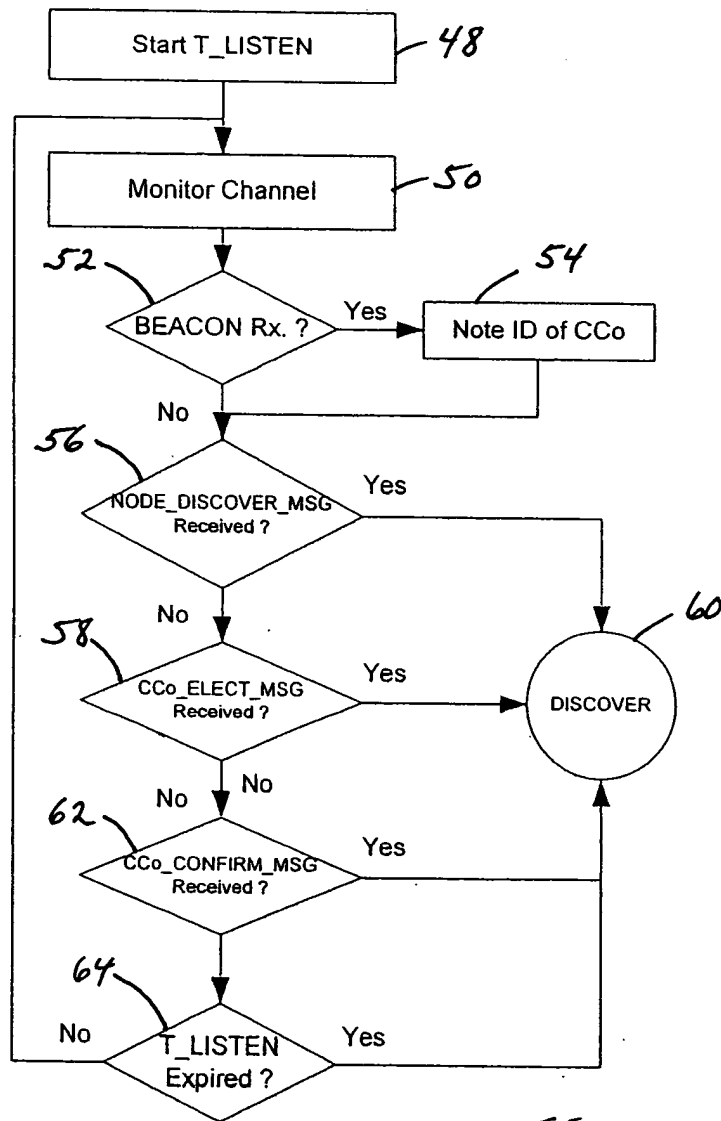


Fig. 9

Topology Table for Node A					
NODES (Device Class optional)	DISCOVERED NODE LISTS ->				
A	A	B	C		
B	A	B	C (X)		
C	A	B	C	D	E
Topology Table for Node D					
NODES	DISCOVERED NODE LISTS ->				
C	A	B	C	D	E
D			C	D	E
E			C	D	E

Fig. 10

Order	Criteria	Note
1	Device Class/ Device Capability	Dev Can be CCo or Not
2	Number of Discovered nodes in DISCOVERED_NODE_LIST	Higher is preferred
3	Capacity or MAX PHY Transmission Speed	Higher is preferred
4	Duty Cycle (Fraction of time device is busy)	Lower is preferred
5	Other (vendor defined)	

Fig. 11